

PART B - FEE(S) TRANSMITTAL

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20991 7590 10/03/2007

THE DIRECTV GROUP, INC.
 PATENT DOCKET ADMINISTRATION
 CA/LA1/A109
 P.O. BOX 956

EL SEGUNDO, CA 90245-0956
 12/26/2007 HDEMSS2 00000007 500383 09497865

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Janet Shifata (Depositor's name)
 Janet Shifata (Signature)
 December 21, 2007 (Date)

01 FC:1501 1440.00 DA

02 FC:1501 1440.00 DA

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/497,865	02/04/2000	Donald C. D. Chang	PD-980034	7997

TITLE OF INVENTION: AN IMPROVED PHASED ARRAY TERMINAL FOR EQUATORIAL SATELLITE CONSTELLATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	01/03/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
ISSING, GREGORY C	3662	342-359000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The DIRECTV Group, Inc.

El Segundo, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

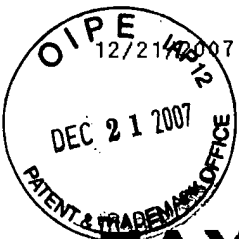
Date December 21, 2007

Typed or printed name Anthony J. Orler

Registration No. 41,232

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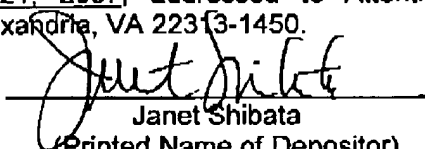
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Janet Shibata

(Printed Name of Depositor)

December 21, 2007
(Date of Signature)

Attention: Commissioner for Patents, Mail Stop Issue Fee

Please find attached Re:

Attorney Jocket No. PD-980034

Serial No.: 09/497,865

Filing Date: 02/04/2000

Title: AN IMPROVED PHASED ARRAY TERMINAL FOR EQUATORIAL SATELLITE
CONSTELLATIONS

➤ PART B – FEE(S) TRANSMITTAL FORM PTOL-85 (1 page in duplicate)

The DirecTV Group, Inc., CA/LA1/A109, P. O. Box 956, El Segundo, California 90245